GB2000

Acoustic glass breakage detector

Use the acoustic glass breakage detector to monitor large window frontages. The detector reacts to the specific sound of shattering window panes. Glass breakage is detected and reported to the alarm centre.

The acoustic glass breakage detector monitors the whole room. To function optimally, it should face the window area to be monitored. The best position is approx. 2–3 meters from the window. The maximum distance – depending on glass type – is between 6m (laminated glass) and 9m (sheet glass). The detection range of the sensor can also be less, depending on the window's environment (curtains, flowers, interior window blinds, reinforced glass, etc.)

The acoustic glass breakage detector reacts to the sound frequency arising from shattering glass (low and high–frequency sound distribution). This occurs in two steps:

– a steep amplitude increase during the glass breakage

– a weakening amplitude caused by the impact of falling glass fragments

First the glass breakage, then the impact of the glass fragments: The acoustic wireless glass breakage detector triggers an alarm only if these criteria are met. This prevents an alarm being caused by ordinary day–to–day clinking noises. The area of the pane to be monitored should be at least 30 x 30 cm.

Product highlights:

- Acoustic glass breakage detector
- Monitors entire window frontages and conservatories
- Distance to glass up to 9m
- Reliably distinguishes between shattering windows and glasses

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Technical Data	
Maximum detection range	9 metres
Acoustic sensor	Omnidirectional microphone
Consumption	24mA at 12V DC
Operating voltage	9.3–16V DC
Alarm contact	NC
Alarm contact consumption	24V DC / 50mA
Tamper contact	NC
Tamper contact consumption	24V DC / 50mA
Glass type 1	Normal glass
Glass type 2	Laminated glass
Glass type 3	Tempered glass
Glass type 4	Wire–reinforced glass
Dimensions (WxHxD)	50x70x25 mm
Weight	
Minimum pane size	30 x 30 cm
Operating temperature	0° C to 55° C
Storage temperature	–20° C to 60°C

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